

Arborea.



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## ALESSANDRO ARBOREA

Architectural Designer

US Permanent Resident

arborea.ale@gmail.com

linkedin.com/in/aarborea

alessandroarborea.com

+1 7086540789

## SKILLS

### DRAWING 2D - 3D

AutoCAD	<div style="width: 80%;"></div>
Revit	<div style="width: 70%;"></div>
Rhinoceros	<div style="width: 85%;"></div>
SketchUp	<div style="width: 75%;"></div>

### PLUG-INS

Vray	<div style="width: 80%;"></div>
Grasshopper	<div style="width: 80%;"></div>

### ADOBE

InDesign	<div style="width: 80%;"></div>
Photoshop	<div style="width: 85%;"></div>
Illustrator	<div style="width: 80%;"></div>
LightRoom	<div style="width: 70%;"></div>

### OTHERS

Microsoft Office	<div style="width: 80%;"></div>
Final Cut Pro	<div style="width: 70%;"></div>

## LANGUAGES

### ITALIAN

SPANISH	<div style="width: 80%;"></div>
ENGLISH	<div style="width: 85%;"></div>
CATALAN	<div style="width: 70%;"></div>

## ADDITIONAL INFORMATION

### SUMMER SCHOOLS

OXFORD (UK 2015), NEW YORK (USA 2012)  
CHICAGO (USA 2011) SAN DIEGO (USA 2010)  
TORONTO (CA 2009), BOSTON (USA 2008)  
LOS ANGELES (USA 2007), OXFORD (UK 2006)

## WORK EXPERIENCE

### TORONTO, CANADA

March 2019 - Present

### HARIRI PONTARINI ARCHITECTS

Architectural Designer

- Cultural, Educational, Mixed-Use, Custom Residential projects
- Predesign, Schematic, Design development and Competitions
- Main softwares used: Revit, AutoCAD, Rhinoceros, Grasshopper, Vray, Adobe

### CHICAGO, USA

Jan 2018 - May 2018

### CANNONDESIGN

Arch Tech Internship

- Healthcare, Corporate projects

### BARCELONA, SPAIN

Feb 2017 - July 2017

### BARCELONA, SPAIN

Jan 2017

### BARCELONA, SPAIN

May 2015 - Jul 2016

### BARCELONA, SPAIN

Sept 2014 - Jul 2015

### COMPETITION FOR THE VALLCARCA DISTRICT - BARCELONA CITY COUNCIL

Urban project designer

### DOMINGO-FERRE ARQUITECTES S.L.P.

Arch Internship

- Competition: the New Camp Nou Stadium (**FC Barcelona**)  
Team: Domingo-Ferre Arqs. + Tom Sheehan and Partners

### ARQUITECTOS DE CABECERA

Volunteering: Group non-profit that operate to renovate old buildings in historic districts - Coordinators: I.Bilbao, J.Bohigas, M.Peris

- Winner of *Premi Ciutat 2015* award.

## EDUCATION

### ONLINE TRAINING

Nov 2018 - Jan 2019

### AUTODESK REVIT CERTIFICATION

Certified Professional Certification - issued by ESPACIO BIM

### BARCELONA, SPAIN

Sept 2012 - Jul 2018

### BARCELONA SCHOOL OF ARCHITECTURE (UPC-ETSAB)

Architecture degree

Final grade: 10/10 with Honors (US Metrics: Equivalent to A+ with Honors)

### CHICAGO, USA

July 2017 - Dec 2017

### ILLINOIS INSTITUTE OF TECHNOLOGY (IIT - COLLEGE OF ARCHITECTURE)

Exchange program

1<sup>st</sup> seat achieved in Etsab + 1<sup>st</sup> place in *Erasmus+ KA107* Scholarship

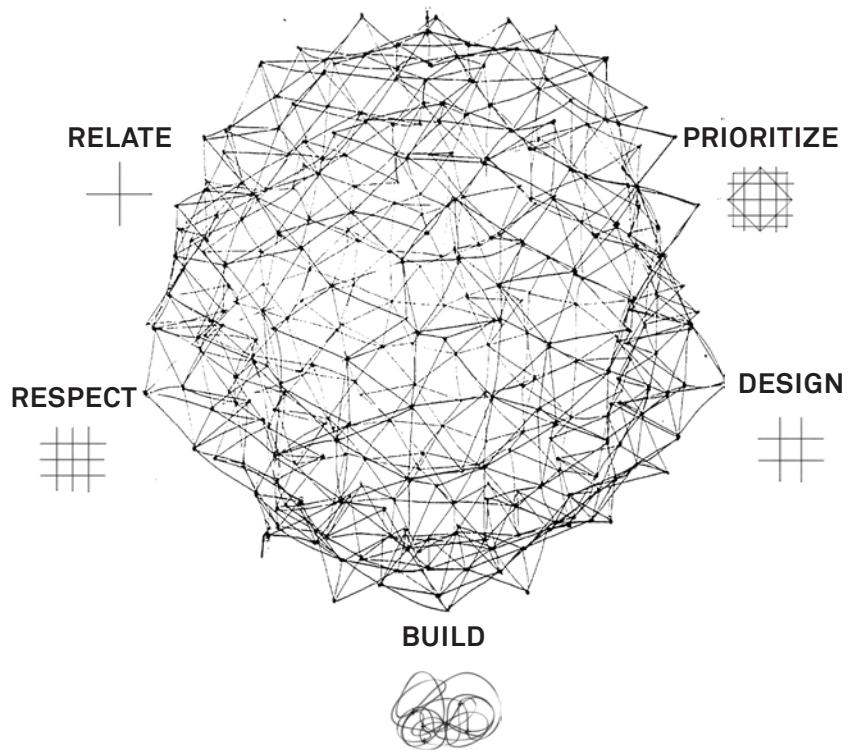
### BARI, ITALY

Sept 2005 - Jul 2012

### LICEO SCIENTIFICO STATALE "ENRICO FERMI"

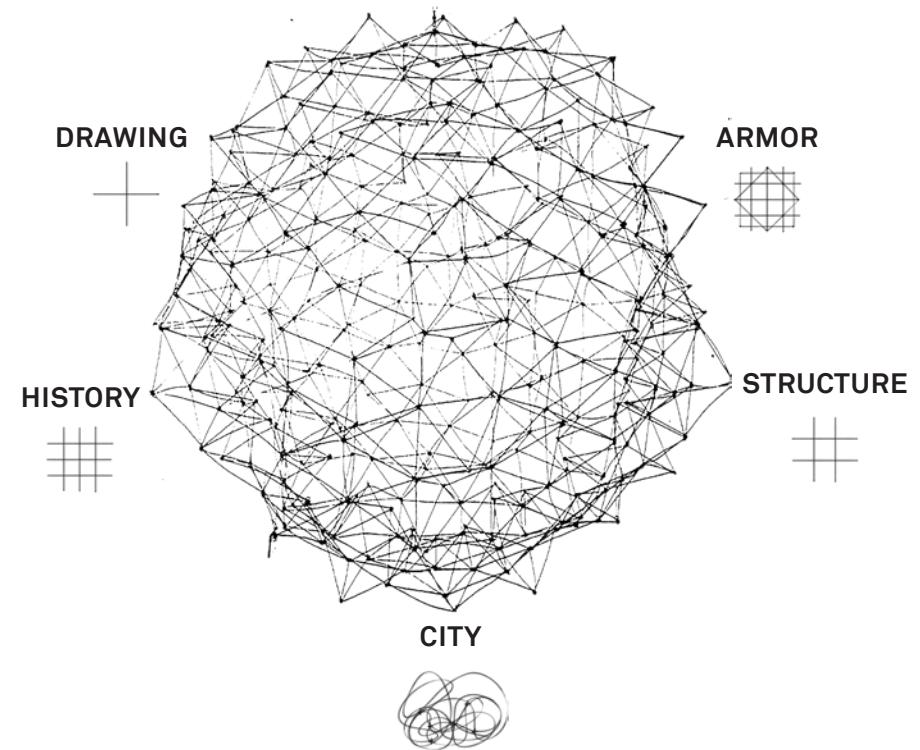
Scientific High School Diploma - final grade: 86/100

### ARCHITECT DUTIES



Personal reinterpretation of the *Esfera* sculpture, GEGO artist (1976)

### STRATEGIES THAT BUILD CITIES



Personal reinterpretation of the *Esfera* sculpture, GEGO artist (1976)

I. **VERTICAL CITY**  
Fall 2017 - Studio Project VII



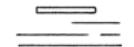
II. **SNAKES**  
Spring 2018 - Studio Project VIII



III. **MORE THAN A FOOD BANK**  
Spring 2017 - Studio Project VI



V. **VALLCARCA BRIDGES**  
Spring 2017 - Competition



IV. **NEW CENTRALITY**  
Fall 2015 - Urban Project V



VI. **WORK EXPERIENCES**  
Hariri Pontarini (Toronto), CannonDesign (Chicago)



VII. **MOMENTS**  
Photography





VERTICAL CITY

Fall 2017



LOCATION: USA-CHICAGO  
UNIVERSITY: IIT-CHICAGO  
TEAM: 3-STUDENTS

750,000 SF EMBRACE AN EXISTING 20 STORIES BUILDING AND STAND ON TOP OF RAIL TRACKS. FRAGMENTED FOR HIS NATURE, WITH THE AIM OF GIVING UNIFORMITY AND FLEXIBILITY AT THE BUILDING, THE PROJECT DEFINES A WHITE EXOSKELETON STRUCTURE THAT WOULD BE UNIQUE AND IDENTITARY IN THE CHICAGO'S WEST LOOP.

THE EXOSKELETON AND THE GEOMETRY OF THE BUILDING ITSELF GIVE MANY OPPORTUNITIES FOR ALL KIND OF USERS AND USES.

AS THE CITY EXPANDS HORIZONTALLY AND THE DENSITY USUALLY INCREASES FROM THE SUBURBS TO DOWNTOWN, HERE THE HIGH-RISE INCREASES ITS DENSITY VERTICALLY FROM THE BOTTOM TO THE TOP AND THE STRUCTURE IS ALREADY PREPARED TO EXPAND AND ACCOMODATE NEW TENANTS UP TO 1,000,000 SF.



Exoskeleton



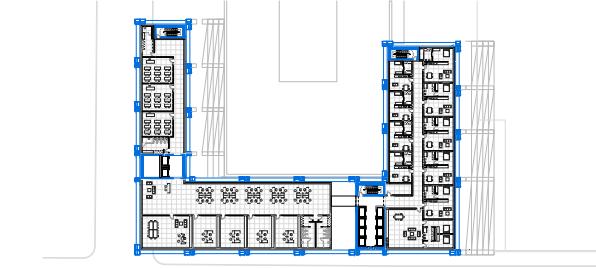
Vertical connections - Cores



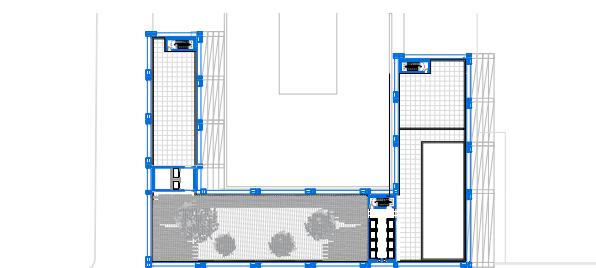
Mechanical Rooms



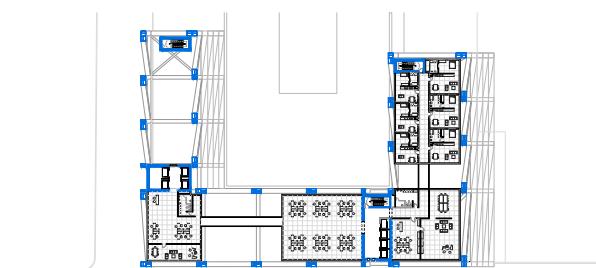
Present and Future



High density plan



Social Space plan



Low density plan





# SNAKES

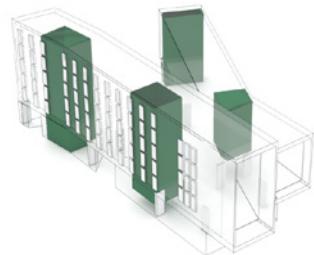
Spring 2018



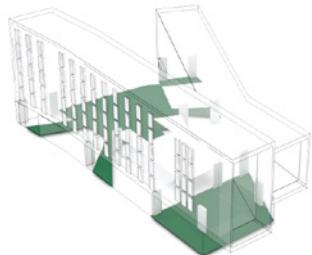
LOCATION: GER-MUNICH  
UNIVERSITY: UPC-BARCELONA  
TEAM: SOLE



SNAKES IS AN HIGH-SCHOOL BUILDING LOCATED IN A PRIVILEGED SPOT OF THE CITY CENTER. THE AIM OF THE PROJECT IS TO RESPECT HEIGHTS OF THE EXISTING BUILDINGS AND TO GIVE IMPORTANCE TO THE PARK ADJACENT THE NEW SCHOOL. BELIEVING IN A FUTURE CHANGE OF USE OF THE GROUND FLOOR, IT HAS BEEN DESIGNED WITH A SPECIAL STRUCTURE THAT WILL GIVE FLEXIBILITY TO ALL THE USERS. THE LOCATION OF THE STAIRS, ALONG WITH THE SPACES AROUND THEM, ARE ANOTHER KEY ELEMENT OF THE SNAKE HIGH-SCHOOL DESIGN, WHERE VISUAL AND PHYSICAL VERTICAL CONNECTIONS ARE CONSIDERED A PRIORITY IN THE EVERY DAY STUDENTS EXPERIENCE.



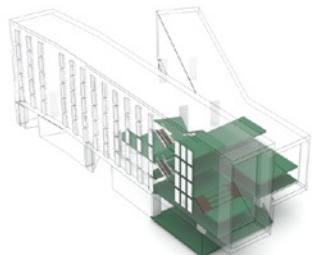
Vertical Connections



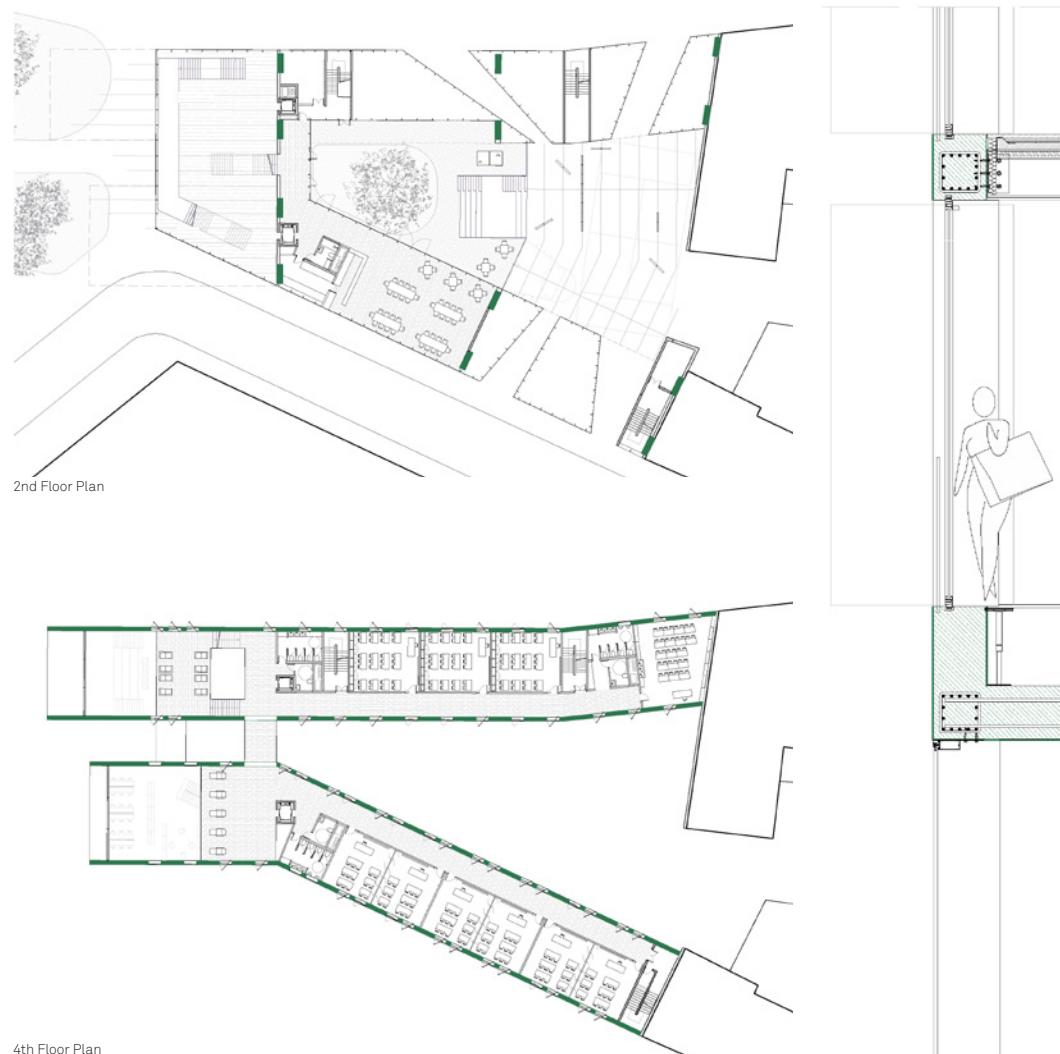
Ground Floor Permeability

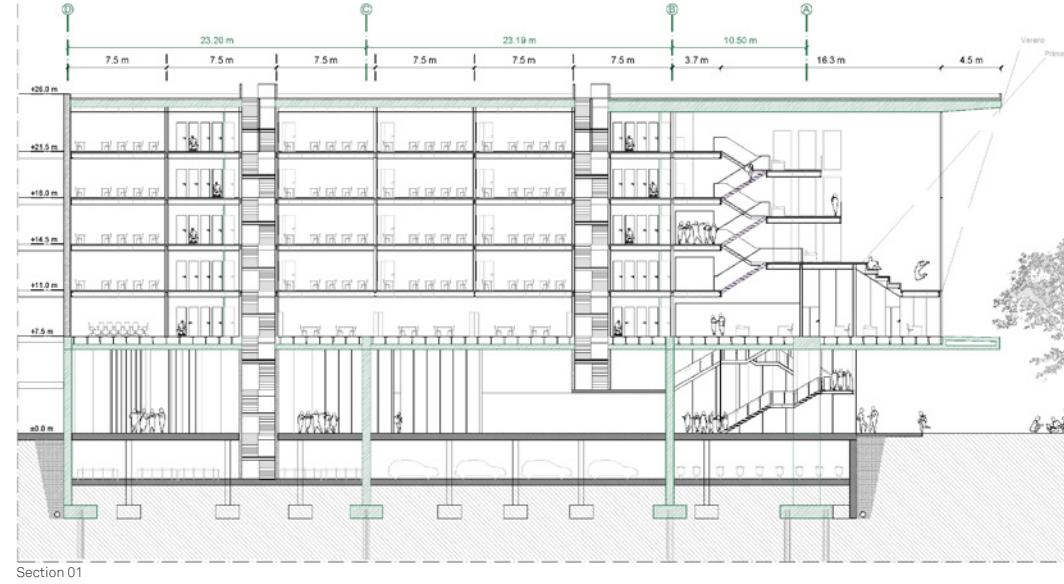


Site intensities



Meetings

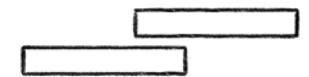






## MORE THAN A FOOD BANK

Spring 2017

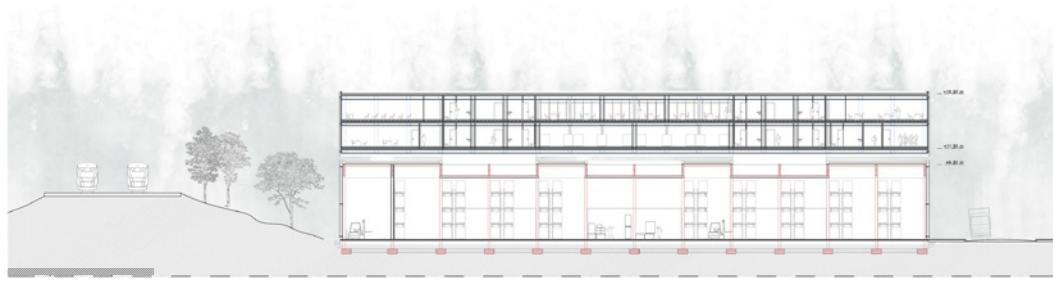
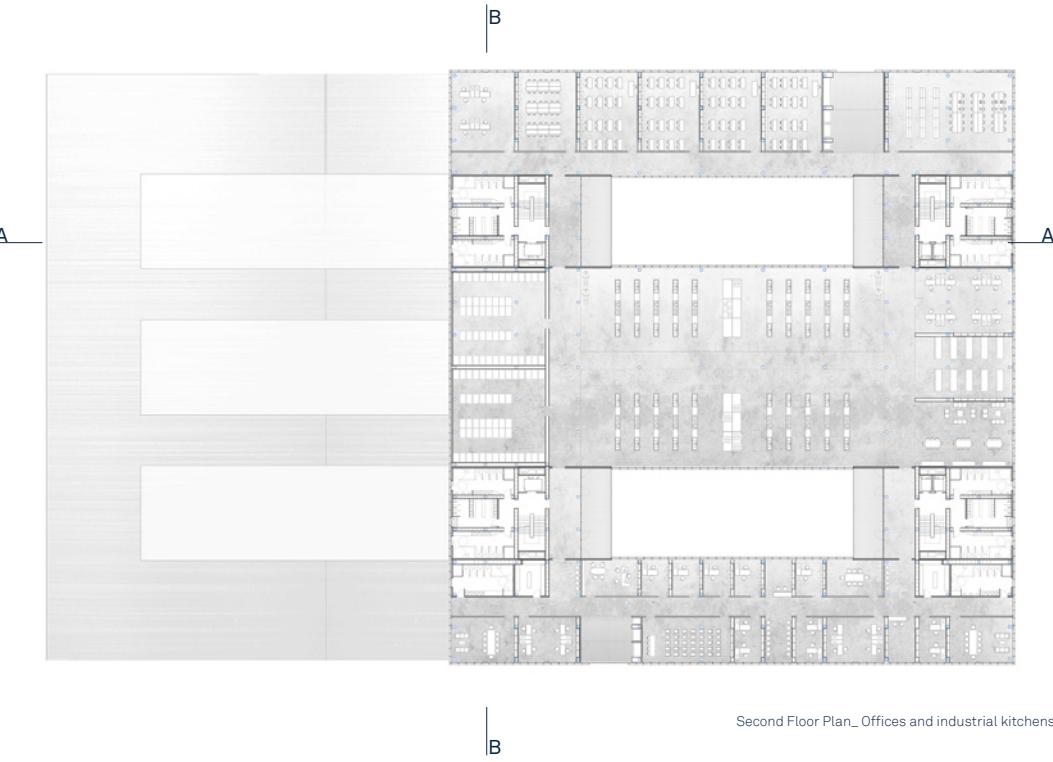
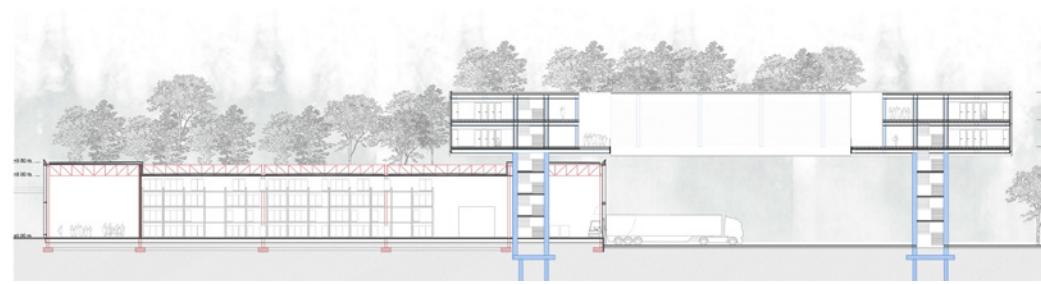
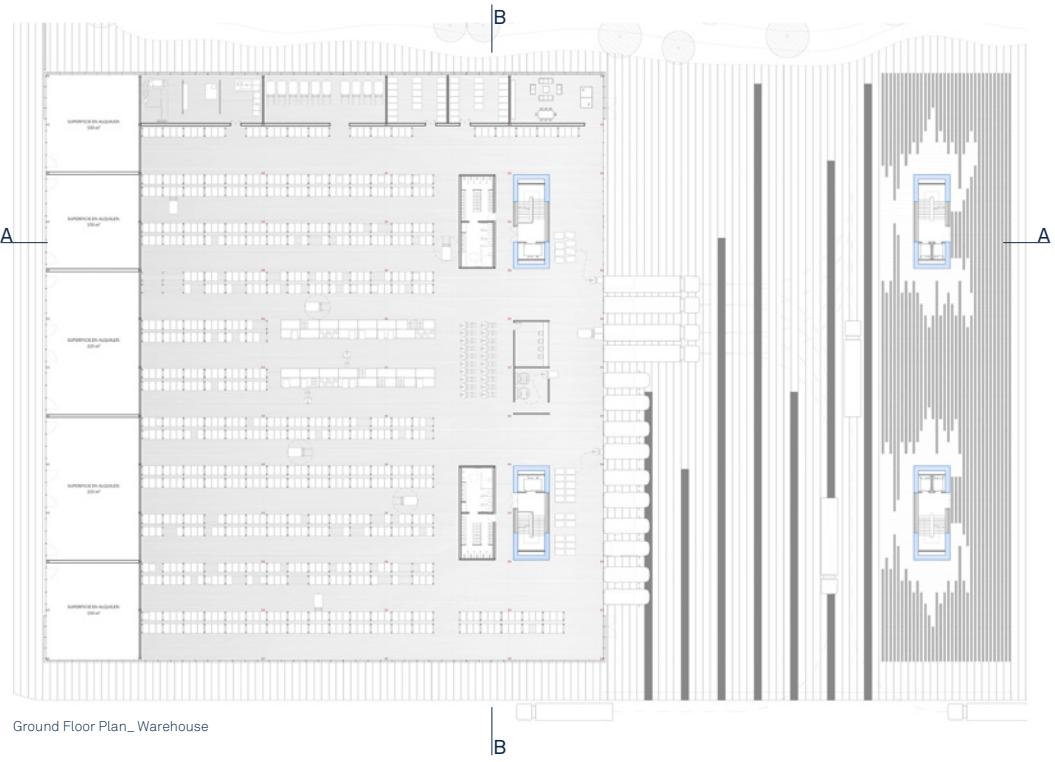


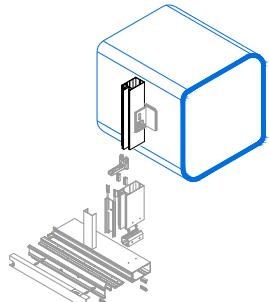
LOCATION: SPA-BARCELONA  
UNIVERSITY: UPC-BARCELONA  
TEAM: SOLE

16.000 M<sup>2</sup> FOR THE HEADQUARTERS OF A FOOD BANK. THE SITE IS LOCATED IN A DISTRICT THAT IS CHANGING FROM INDUSTRIAL TO RESIDENTIAL, THUS REQUIRING NEW IDENTITIES, SPACES AND ARCHITECTURE.

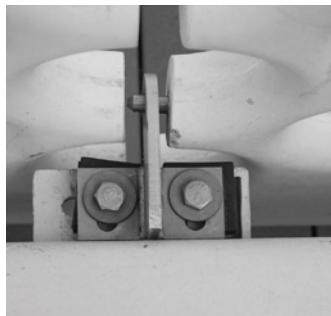
PRIVATE AND PUBLIC TRANSPORTATION HAVE A STRONG NETWORK AND "THE LIQUID URBANITY" OF THE TRAINS ALSO HAS A SIGNIFICANT ROLE. IT SEEKS TO BE MUCH MORE THAN A BIG STORAGE, IT CAN BE THE NEW DISTRICT'S IDENTITY BUILDING AND ATTEMPTS TO GENERATE AN ADEQUATE MULTIFUNCTIONAL SPACE. TWO BUILDINGS WITH SAME FACADES BUT OPPOSITE STRUCTURES OVERLAP IN SECTION. THE COLLECTIVE SPACE, IS DEFINED BY THE USE OF AN EFFICIENT AND EXPERIMENTAL STRUCTURE: A 3-DIMENSION STEEL TRUSS SUPPORTED BY FOUR CONCRETE CORES.



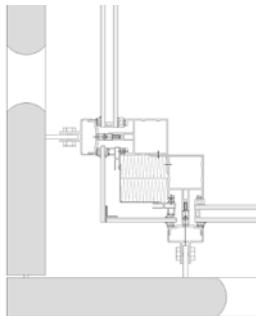




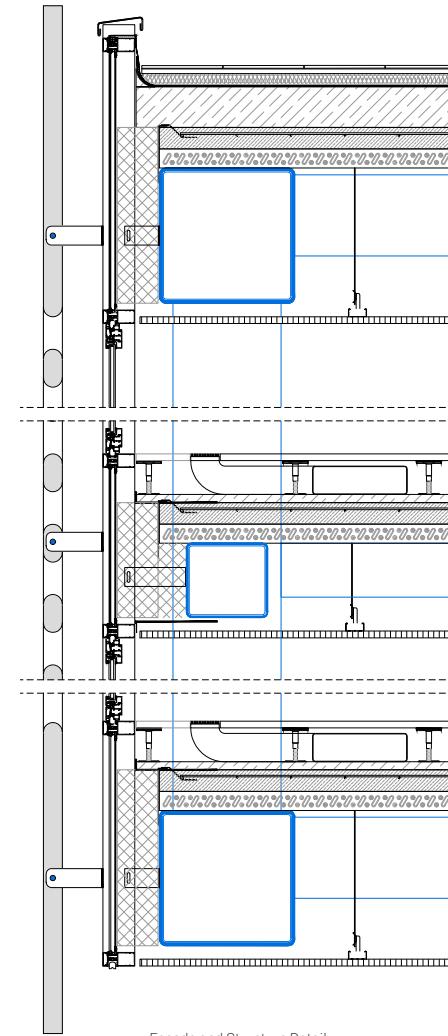
Facade and Structure Joint



Joint example



Corner Detail \_ Plan



Facade and Structure Detail



## VALLCARCA BRIDGES

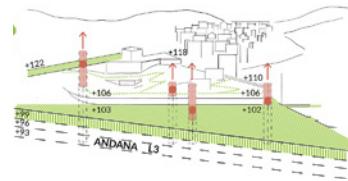
Spring 2017

LOCATION: SPA-BARCELONA  
UNIVERSITY: COMPETITION  
TEAM: 2-ARCHS & 3-STUDENTS

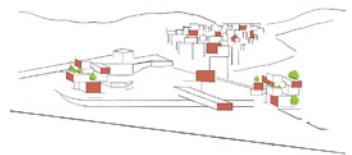
VALLCARCA BRIDGES IS AN URBAN AND ARCHITECTURE PROJECT DESIGNED IN A DISTRICT WITH LOW DENSITY AND DIVERSE TOPOGRAPHY THAT FOR A LONG TIME HAS BEEN PLACED AT THE BOUNDARIES OF THE CITY. DURING THE LAST DECADE, BARCELONA EXPANDED AND IT STARTED HAVING A SIGNIFICANT METROPOLITAN ROLE. WITH THE AIM OF STRENGTHENING THE IDENTITY OF VALLCARCA, THE PROJECT PROPOSES A PUBLIC, COLLECTIVE AND MULTIFUNCTIONAL SPACE. IT IS FURTHER DISTINGUISHED BY THE BREATHTAKING, EXISTING GREENERY AND ORGANIZED BY NEW MIXED USE BUILDING. THE MULTIFUNCTIONAL SPACE IS ALSO CONSIDERED THE DOOR FROM AND TO THE CITY CENTER. IT IS THE MAJOR ACCESS TO PUBLIC TRANSPORT THAT BRINGS YOU CLOSE TO THE REST OF THE METROPOLIS.



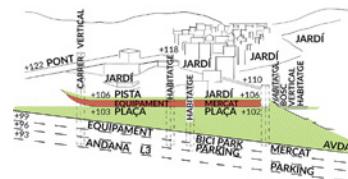
Green Vallcarca



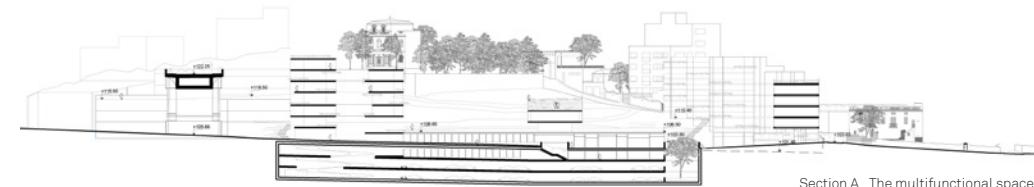
Vertical Bridges



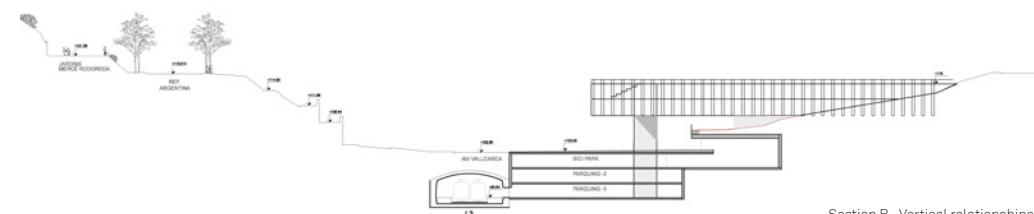
Town Identity



Mixes-Use Program



Section A\_ The multifunctional space

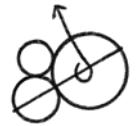


Section B\_ Vertical relationships



## NEW CENTRALITY

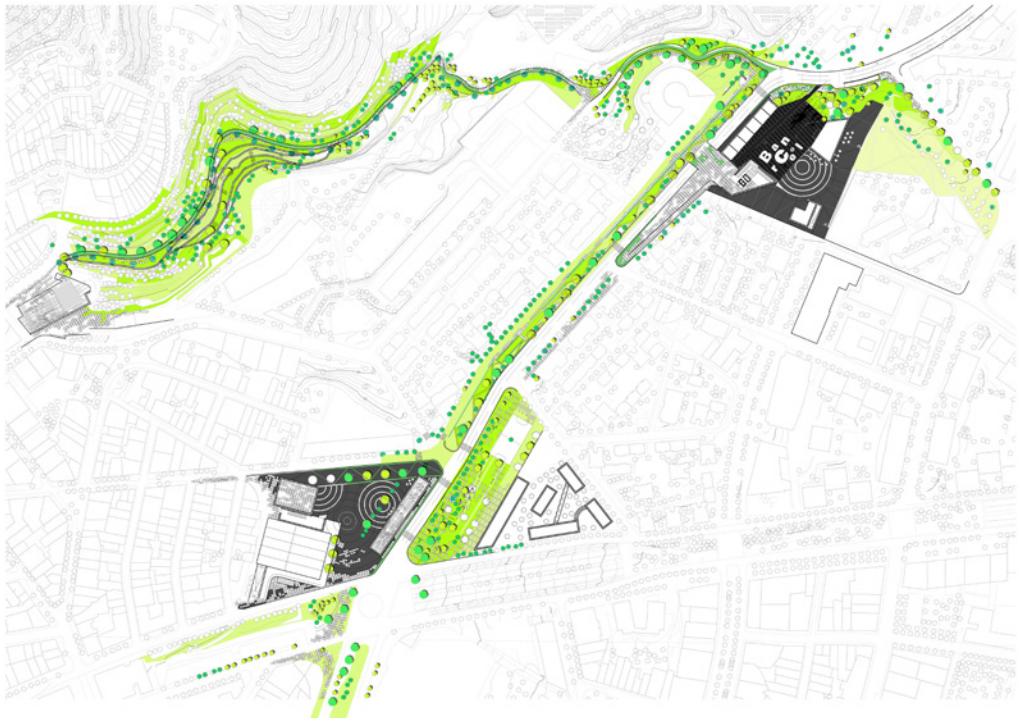
Fall 2015



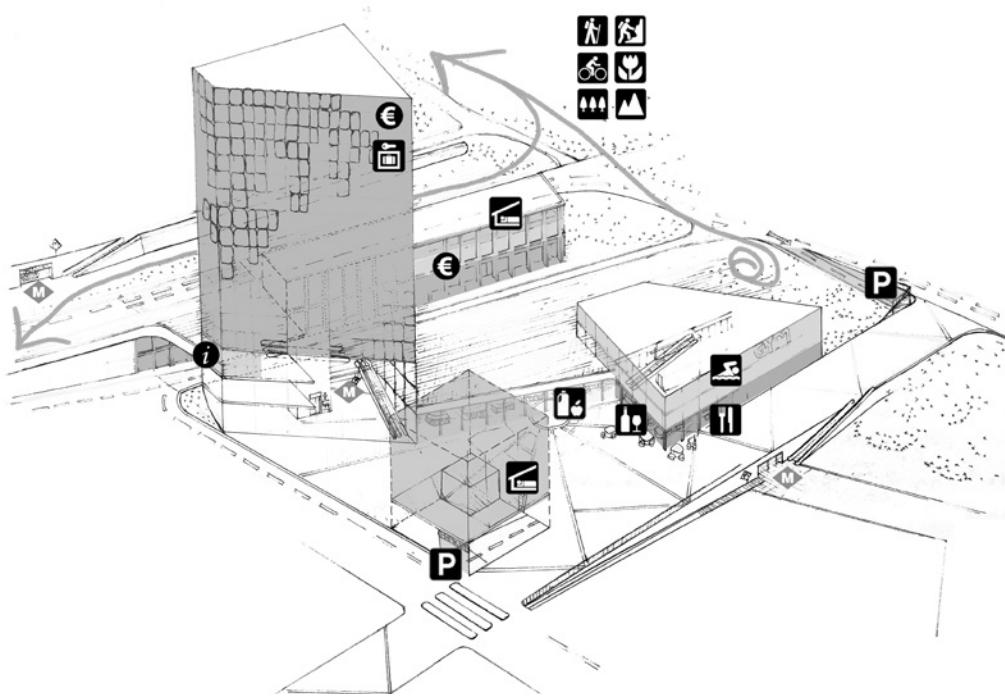
LOCATION: SPA-BARCELONA  
UNIVERSITY: UPC-BARCELONA  
TEAM: 3-STUDENTS

THE NEW CENTRALITY IS AN URBAN PROJECT WITH THE AIM OF GENERATING URBAN COHESION AT A DISTRICT SCALE AND A NEW CENTRALITY AT A METROPOLITAN SCALE - BOTH WHILE PAYING PARTICULAR ATTENTION TO THE NATURAL LIMITS OF BARCELONA, WHICH COLLSEROLA HILL OFFERS.

THE PROJECT IS LOCATED IN TRINITAT NOVA AND ROQUETES DISTRICTS. THE SITES PRESENT AT THE SAME TIME CHALLENGES DUE TO THE TOPOGRAPHY AND OPPORTUNITIES DUE PRIVATE AND PUBLIC TRAFFIC NETWORK. THE URBAN PROJECT ALSO ATTEMPTS TO BREAK THROUGH THE SOCIAL BARRIERS BY OFFERING A "SPACE OF CONFLUENCE", WITH MANY DIFFERENT USERS, WHERE THE GREEN OF THE MOUNTAINS MERGES WITH THE URBANITY OF THE CITY.



Urban Plan\_ New centralities and the role of the Green



Axonometry 01\_ The new centrality





Photographer: Ian David

©HARIRI PONTARINI ARCHITECTS

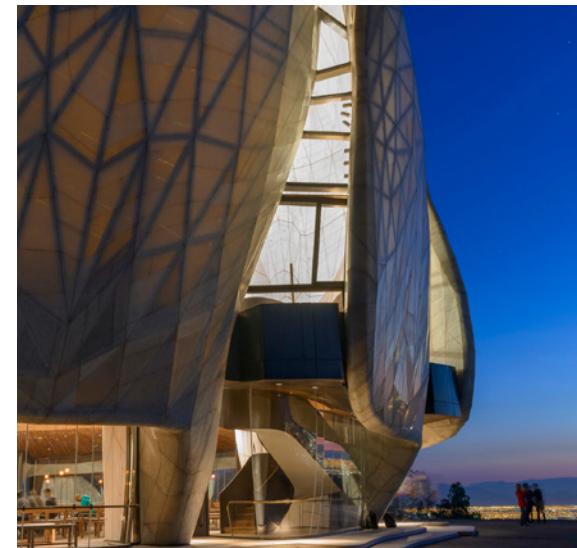


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Doublespace Photography

©HARIRI PONTARINI ARCHITECTS



Photographer: Sebastian Wilson Leon  
©HARIRI PONTARINI ARCHITECTS

## WORK EXPERIENCE II

March 2019 - Present



LOCATION: CAN-TORONTO  
UNIVERSITY: -  
TEAM: HARIRI PONTARINI

THE IMAGES DISPLAYED ARE PROPERTY OF HARIRI PONTARINI ARCHITECTS. ADDITIONALLY, SOME OF THESE ARE NOT RELATED TO PROJECTS I WAS ASSIGNED TO. MAJORITY OF WORK I HAVE BEEN CONTRIBUTING TO IS STILL IN PROGRESS AND MAY NOT BE RELEASED DUE TO CONFIDENTIALITY AGREEMENTS. HOWEVER THE IMAGES DISPLAYED REFLECT THE HPA MISSION TO CRAFT ARCHITECTURAL AND URBAN SOLUTIONS THAT EXCEED EXPECTATIONS, WITHOUT EXCESS. DESIGN QUALITY AND ATTENTION FOR DETAILS ARE KEY POINTS IN HPA PHILOSOPHY.

**HARIRI PONTARINI  
ARCHITECTS**



©HARIRI PONTARINI ARCHITECTS



Photographer: Sebastian Wilson Leon

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## WORK EXPERIENCE I

January 2018 - April 2018



LOCATION: USA-CHICAGO  
UNIVERSITY: -  
TEAM: CANNONDESIGN

THE IMAGES DISPLAYED ARE PROPERTY OF CANNONDESIGN AND THEY HAVE NOT BEEN EDITED. ADDITIONALLY, SOME OF THESE ARE NOT RELATED TO PROJECTS I WAS ASSIGNED TO. MAJORITY OF WORK I CONTRIBUTED TO IS STILL IN PROGRESS OR IS CONFIDENTIAL. HOWEVER, WORKING DIRECTLY SIDE BY SIDE WITH ONE OF THE PARTNERS HAS BEEN A VERY INTENSE EXPERIENCE, WHERE I HAD THE OPPORTUNITY TO IMPROVE MY SKILLS AND TO CONTRIBUTE TO THE SUCCESS OF MANY DIFFERENT PROJECTS RELATED WITH HEALTHCARE AND CORPORATE MARKETING.

**CANNONDESIGN**





MOMENTS  
Photography

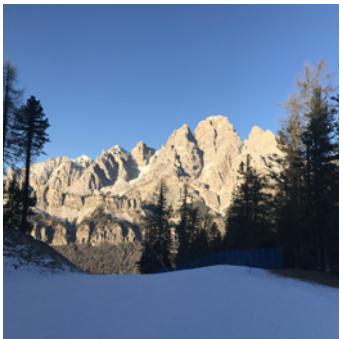


  LOCATION: **WORLD**  
 UNIVERSITY: **-**  
 TEAM: **PEOPLE AROUND WORLD**

THERE ARE SPACES THAT DON'T NEED TO BE EXPLAINED.  
THEY ARE SIMPLE, UNIQUE AND SPECTACULAR.  
EVERYONE PERCEIVES THEM SUBCONSCIOUSLY, DIFFERENTLY.  
THEY ARE THE ABSENCE OF ROUTINE, A SECOND OF YOUR LIFE RECORDED ON YOUR HEART - SIMPLY THE CAPTURE OF A MOMENT.











TO MY PARENTS FOR MAKING IT POSSIBLE,  
TO ARCHITECTURE FOR MAKING ME SENSIBLE,  
TO LIFE THAT IS SIMPLY BEAUTIFUL.

ALESSANDROARBREA.COM